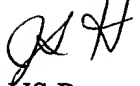


January 29, 2001

TO: Linda Sholl  
FROM: Jeanne Horrigan, EIC-3700   
SUBJECT: Litigation Search Results for US Patent 5,785,021

Attached are the litigation search results for US Patent 5,785,021. The search was conducted in three databases: Inpadoc, Lexis/Nexis, and Questel. Here is a summary of the results.

- Patent family and legal status (Inpadoc)
- Legal status, patent status, and reissue information (Questel)
- Reissue information (from Lexis/Nexis)

There were no litigation alerts on the patent in Questel. There were no law cases, law journal articles, or current news articles on the patent in Lexis/Nexis.

I hope this information is useful. Please let me know if you have any questions or need more information.

**STIC-EIC3700**

From: Sholl, Linda 64299  
Sent: Sunday, January 28, 2001 8:56 PM  
To: STIC-EIC3700  
Subject: Litigation and plus search for 5,785,021

Please do a litigation and plus search for 5,785,021.

It is for reissue ~~08/693,138~~ 09/628,944

Thanks

Linda

Linda Sholl  
Special Programs Examiner  
Technology Center 3700  
Crystal Park 1 Room 5D24  
703-308-1288

*Hydraulically actuated electronic fuel injection system*

*Searcher: Janne Horvath  
EIC3700, Phone 305-5934*

*Recd 1-29*

*Completed 1-29*

*Prep time 10*

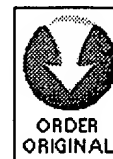
*Online time 3*

*Litigation Search*

*Realsg*

*Intel*

*Lexis Nexis*

Powered by  DIALOG**Basic Patent (Number,Kind,Date):** AU 94176 A0 19950119**Patent Family:**

Patent Number	Kind	Date	Application Number	Kind	Date
AU 94176	A0	19950119	AU 94176	A	19941221 (Basic)
AU 940176	A0	19950119	AU 94176	A	19941221
AU 9517018	A1	19950829	AU 9517018	A	19950215
AU 713835	B2	19991209	AU 9517018	A	19950215
BR 9506800	A	19970930	BR 95U6800	A	19950215
CN 1141069	A	19970122	CN 95191630	A	19950215
CN 1057367	B	20001011	CN 95191630	A	19950215
<u>EP 748417</u>	A1	19961218	EP 95908836	A	19950215
<u>EP 748417</u>	A4	19990721	EP 95908836	A	19950215
JP 9508686	T2	19970902	JP 95520862	A	19950215
<u>US 5785021</u>	A	19980728	US 693138	A	19961112
WO 9521999	A1	19950817	WO 95AU73	A	19950215
RU 2141574	C1	19991120	RU 96118489	A	19950215

**Priority Data:**

Patent Number	Kind	Date
AU 94176	A	19941221
AU 943876	A	19940215
WO 95AU73	W	19950215
AU 9517018	A	19950215

**PATENT FAMILY:****Australia (AU)**

Patent (Number,Kind,Date): AU 94176 A0 19950119

HIGH PRESSURE ELECTRONIC FUEL INJECTION SYSTEM (English)

Patent Assignee: YUDANOV S; MITCHELL W R  
Priority (Number,Kind,Date): AU 94176 A 19941221  
Applic (Number,Kind,Date): AU 94176 A 19941221  
Language of Document: English  
Patent (Number,Kind,Date): AU 940176 A0 19950119  
HIGH PRESSURE ELECTRONIC FUEL INJECTION SYSTEM (English)  
Patent Assignee: YUDANOV S; MITCHELL W R  
Priority (Number,Kind,Date): AU 94176 A 19941221  
Applic (Number,Kind,Date): AU 94176 A 19941221  
Language of Document: English  
Patent (Number,Kind,Date): AU 9517018 A1 19950829  
HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English)  
Patent Assignee: INVENT ENG PTY LTD (AU); SERGEI YUDANOV  
Author (Inventor): YUDANOV SERGEI; MITCHELL WILLIAM RICHARD  
Priority (Number,Kind,Date): AU 943876 A 19940215; AU 94176 A 19941221; WO 95AU73 W 19950215; AU 9517018 A 19950215  
Applic (Number,Kind,Date): AU 9517018 A 19950215  
IPC: \* F02M-047/00  
Derwent WPI Acc No: \* G 95-293180  
Language of Document: English  
Patent (Number,Kind,Date): AU 713835 B2 19991209  
HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English)  
Patent Assignee: INVENT ENG PTY LTD; SERGEI YUDANOV  
Author (Inventor): YUDANOV SERGEI; MITCHELL WILLIAM RICHARD  
Priority (Number,Kind,Date): AU 9517018 A 19950215; AU 943876 A 19940215; AU 94176 A 19941221; WO 95AU73 W 19950215  
Applic (Number,Kind,Date): AU 9517018 A 19950215  
IPC: \* F02M-047/00  
Derwent WPI Acc No: \* G 95-293180  
Language of Document: English

**Brazil (BR)**

Patent (Number,Kind,Date): BR 9506800 A 19970930  
SISTEMA INJETOR DE COMBUSTIVEL PARA UM MOTOR DE COMBUSTAO INTERNA E PROCESSOS PARA MELHORAR A CONFIABILIDADE DE UM MOTOR DIESEL E PARA REDUZIR O RUÍDO QUE EMANA DE UM MOTOR DIESEL (Portugese)  
Patent Assignee: INVENT ENGINEERING PTY LTDA (AU); YUDANOV SERGEI (AU)  
Author (Inventor): YUDANOV SERGEI; MITCHELL WILLIAM RICHARD  
Priority (Number,Kind,Date): AU 943876 A 19940215; AU 94176 A 19941221; WO 95AU73 W 19950215  
Applic (Number,Kind,Date): BR 95U6800 A 19950215  
IPC: \* F02M-047/00  
Derwent WPI Acc No: \* G 95-293180  
Language of Document: Portugese

**Brazil (BR) - Legal Status**

Number	Type	Date	Code	Text
BR 9506800	P	20000627	BR FF	INTENTION TO GRANT (PEDIDO DEFERIDO)
BR 9506800	P	20001031	BR FG9A	PATENT OR CERTIFICATE OF ADDITION GRANTED (CONCESSAO DE PATENTE OU CERTIFICADO DE ADICAO DE INVENCAO)

**China (CN)**

Patent (Number,Kind,Date): CN 1141069 A 19970122  
 HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English)  
 Patent Assignee: INVENT ENG PTY LTD (AU)  
 Author (Inventor): MITCHELL SERGEI YUDANOV WILLIA (AU)  
 Priority (Number,Kind,Date): AU 943876 A 19940215; AU 94176 A 19941221  
 Applic (Number,Kind,Date): CN 95191630 A 19950215  
 IPC: \* F02M-047/00  
 Derwent WPI Acc No: \* G 95-293180  
 Language of Document: Chinese

Patent (Number,Kind,Date): CN 1057367 B 20001011  
 HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English)  
 Patent Assignee: INVENT ENG PTY LTD (AU)  
 Author (Inventor): YUDANOV SERGEI (AU); MITCHELL WILLIAM R (AU)  
 Priority (Number,Kind,Date): AU 943876 A 19940215; AU 94176 A 19941221  
 Applic (Number,Kind,Date): CN 95191630 A 19950215  
 IPC: \* F02M-047/00  
 Derwent WPI Acc No: \* G 95-293180  
 Language of Document: Chinese

**European Patent Office (EP)**

Patent (Number,Kind,Date): EP 748417 A1 19961218  
 HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English; French; German)  
 Patent Assignee: INVENT ENG PTY LTD (AU); YUDANOV SERGEI (AU)  
 Author (Inventor): YUDANOV SERGEI (AU); MITCHELL WILLIAM RICHARD (AU)  
 Priority (Number,Kind,Date): WO 95AU73 W 19950215; AU 943876 A 19940215; AU 94176 A 19941221  
 Applic (Number,Kind,Date): EP 95908836 A 19950215  
 Designated States: (National) AT; DE; DK; ES; FR; GB; IT; NL; SE  
 IPC: \* F02M-047/00  
 Derwent WPI Acc No: \* G 95-293180  
 Language of Document: English

Patent (Number,Kind,Date): EP 748417 A4 19990721  
 HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English; French; German)  
 Patent Assignee: INVENT ENG PTY LTD (AU); YUDANOV SERGEI (AU)  
 Author (Inventor): YUDANOV SERGEI (AU); MITCHELL WILLIAM RICHARD (AU)  
 Priority (Number,Kind,Date): WO 95AU73 W 19950215; AU 943876 A 19940215; AU 94176 A 19941221  
 Applic (Number,Kind,Date): EP 95908836 A 19950215

Designated States: (National) AT; DE; DK; ES; FR; GB; IT; NL; SE

IPC: \* F02M-047/00

Derwent WPI Acc No: \* G 95-293180

Language of Document: English

### European Patent Office (EP) - Legal Status

Number	Type	Date	Code	Text	
EP 748417	P	19940215	EP AA	PRIORITY (PATENT APPLICATION) AU 943876 A 19940215	(PRIORITAET (PATENTANMELDUNG))
EP 748417	P	19941221	EP AA	PRIORITY (PATENT APPLICATION) AU 94176 A 19941221	(PRIORITAET (PATENTANMELDUNG))
EP 748417	P	19950215	EP AA	PCT-APPLICATION WO 95AU73 W 19950215	(PCT-ANMELDUNG)
EP 748417	P	19950215	EP AE	EP-APPLICATION EP 95908836 A 19950215	(EUROPAEISCHE ANMELDUNG)
EP 748417	P	19961218	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: AT DE DK ES FR GB IT NL SE	(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
EP 748417	P	19961218	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT	(VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 748417	P	19961218	EP 17P	REQUEST FOR EXAMINATION FILED 960902	(PRUEFUNGSANTRAG GESTELLT)
EP 748417	P	19990407	EP RHK1	MAIN CLASSIFICATION (CORRECTION) F02M 57/02	(HAUPTKLASSIFIKATION (KORR.))
EP 748417	P	19990721	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: AT DE DK ES FR GB IT NL SE	(IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 748417	P	19990721	EP A4	SUPPLEMENTARY SEARCH REPORT 100006004	(ERGAENZENDER RECHERCHENBERICHT)

EP P 20000503 EP 17Q FIRST EXAMINATION (ERSTER  
748417 REPORT PRUEFUNGSBESCHEID)  
20000316

**Japan (JP)**

Patent (Number,Kind,Date): JP 9508686 T2 19970902  
Priority (Number,Kind,Date): WO 95AU73 W 19950215; AU 943876 A 19940215; AU 94176 A 19941221  
Applic (Number,Kind,Date): JP 95520862 A 19950215  
IPC: \* F02M-057/02; F02M-047/00  
Derwent WPI Acc No: \* G 95-293180  
Language of Document: Japanese

**Russia (RU)**

Patent (Number,Kind,Date): RU 2141574 C1 19991120  
FUEL INJECTOR SYSTEM FOR INTERNAL COMBUSTION ENGINE (DESIGN VERSIONS),  
METHOD FOR RAISING RELIABILITY OF DIESEL ENGINE EQUIPPED WITH FUEL  
INJECTOR, AND METHOD FOR REDUCING ENGINE NOISE (English)  
Patent Assignee: INVENT INDZHINIRING PTI LTD (AU); SERGEJ JUDANOV (RU)  
Author (Inventor): UIL JAM RICHARD MITCHELL (AU); SERGEJ JUDANOV (RU)  
Priority (Number,Kind,Date): AU 943876 A 19940215; AU 94176 A 19941221; WO 95AU73 W 19950215  
Applic (Number,Kind,Date): RU 96118489 A 19950215  
IPC: \* F02M-047/00  
Derwent WPI Acc No: \* G 95-293180  
Language of Document: Russian

**United States of America (US)**

Patent (Number,Kind,Date): US 5785021 A 19980728  
HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English)  
Patent Assignee: SERGI YUDANOV AND INVENT ENGIN (AU)  
Author (Inventor): YUDANOV SERGI (AU); MITCHELL WILLIAM RICHARD (AU)  
Priority (Number,Kind,Date): AU 943876 A 19940215; AU 94176 A 19941221; WO 95AU73 W 19950215  
Applic (Number,Kind,Date): US 693138 A 19961112  
National Class: \* 123446000; 123676000  
IPC: \* F02M-037/04  
Derwent WPI Acc No: \* G 95-293180  
Language of Document: English

**United States of America (US) - Legal Status**

Number	Type	Date	Code	Text	
US 96693138	A	19961112	US REFW	CORRESPONDS TO PCT APPLICATION WO 9521999 P	(ENTSPRICHT PCT ANMELDUNG)
US 5785021	P	19940215	US AA	PRIORITY (PATENT) AU 943876 A 19940215	
US 5785021	P	19941221	US AA	PRIORITY (PATENT) AU 94176 A 19941221	
US 5785021	P	19950215	US AA	PCT-APPLICATION WO 95AU73 W 19950215	(PCT-APPL.)
US 5785021	P	19961112	US AE	APPLICATION DATA (PATENT) US 693138 A 19961112	(APPL. DATA (PATENT))
US 5785021	P	19961112	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST YUDANOV, SERGI 1/12 LINSLEY STREET GLADESVILLE N.S.W., AUSTRALIA 2111; INVENT EN ; MITCHELL, WILLIAM RICHARD : 19960815; YUDANOV, SERGI : 19960815	
US 5785021	P	19980728	US A	PATENT	
US 5785021	P	20000530	US CC	CERTIFICATE OF CORRECTION	
US 5785021	P	20000912	US RF	REISSUE APPLICATION FILED 20000728	(REISSUE APPL. FILED)

### World Intellectual Property Organization, PCT (WO)

Patent (Number,Kind,Date): WO 9521999 A1 19950817

HYDRAULICALLY ACTUATED ELECTRONIC FUEL INJECTION SYSTEM (English)

Patent Assignee: INVENT ENG PTY LTD (AU); YUDANOV SERGEI (AU); MITCHELL WILLIAM RICHARD (AU)

Author (Inventor): YUDANOV SERGEI (AU); MITCHELL WILLIAM RICHARD (AU)

Priority (Number,Kind,Date): AU943876 A 19940215; AU 94176 A 19941221

Applic (Number,Kind,Date): WO 95AU73 A 19950215

Designated States: (National) AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; JP; KE; KG; KP; KR; KZ; LK; LR; LT; LU; LV; MD; MG; MN; MW; MX; NL; NO; NZ; PL; PT; RO; RU; SD; SE; SI; SK; TJ; TT; UA; UG; US; UZ; VN (Regional) KE; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

Filing Details: WO 100000 With international search report

IPC: \* F02M-047/00

Derwent WPI Acc No: \* G 95-293180; G 95-293180



Language of Document: English

**World Intellectual Property Organization, PCT (WO) - Legal Status**

Number	Type	Date	Code	Text
WO 9521999	P	19940215	WO AA	PRIORITY (PATENT)  AU 943876 A 19940215
WO 9521999	P	19941221	WO AA	PRIORITY (PATENT)  AU 94176 A 19941221
WO 9521999	P	19950215	WO AE	APPLICATION DATA (APPL. DATA)  WO 95AU73 A 19950215
WO 9521999	P	19950817	WOAK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)  AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UG US UZ VN
WO 9521999	P	19950817	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)  KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BFBJ CF CG CI CM GA GN ML MR NE SN TD TG
WO 9521999	P	19950817	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCHREPORT)
WO 9521999	P	19951102	WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION

			OF 19TH MONTH FROM PRIORITY DATE	
WO 9521999	P	19951102 WO 121	EP: PCT APP. ART. 158 (1)	(EP: PCT ANM.ART. 158 (1))
WO 9521999	P	19961112 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: US 693138 A 19961112	
WO 9521999	P	19961212 DE 8642/REG	WITHDRAWAL	(ZURUECKNAHME)
WO 9521999	P	19961215 WO NENP	NON-ENTRY INTO THE NATIONAL PHASE IN: CA	

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 12224001

QUESTEL SEARCH RESULTS FOR US PATENT 5,785,021  
January 29, 2001

Search statement 1: us5785021/pn  
Term not in index/PN-LITA : US5785021  
LGST 1 [LEGAL STATUS]  
CRXX 1 [CLAIMS, REISSUE, REASSIGN., REEXAM INFORMATION]  
PAST 2 [PATENT STATUS]  
LITA 0 [LITIGATION ALERT]

\*\* SS 2 : Results 4

1/4 LGST (1/1) - (C) LEGSTAT

PN - US 5785021 [US5785021]  
AP - US 693138/96 19961112 [1996US-0693138]  
DT - US-P  
ACT - 19961112 US/AE-A  
APPLICATION DATA (PATENT)  
{US 693138/96 19961112 [1996US-0693138]}  
- 19961112 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
YUDANOV, SERGI 1/12 LINSLEY STREET GLADESVILLE N.S.W., AUSTRALIA 2111;  
INVENT EN \* MITCHELL, WILLIAM RICHARD : 19960815; YUDANOV, SERGI :  
19960815  
- 19980728 US/A  
PATENT  
- 20000530 US/CC  
CERTIFICATE OF CORRECTION  
- 20000912 US/RF  
REISSUE APPLICATION FILED  
20000728  
UP - 2000-40

2/4 CRXX (1/1) - (C) CLAIMS/RRX

AN - 3014980  
PN - 5,785,021 A 19980728 [US5785021]  
PA - Invent Engr Pty Ltd AU; Yudanov Sergi AU  
PT - M (Mechanical)  
ACT - 20000530 CERTIFICATE OF CORRECTION  
  
- 20000728 REISSUE REQUESTED  
Issue Date of O.G.: 20000912  
Reissue Request Number: 09/628944  
Examination Group responsible for Reissue process: 3747  
  
UP - 2000-22  
UACT- 2000-09-12  
UCOR- 2000-05-30

3/4 PAST (1/2) - (C) PAST

AN - 200037-001303  
PN - 5785021 A [US5785021]  
DT - A (UTILITY)

OG - 2000-09-12  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED

**4/4 PAST (2/2) - (C) PAST**

AN - 200022-000201  
PN - 5785021 A [US5785021]  
DT - A (UTILITY)  
OG - 2000-05-30  
CO - COR  
ACT - CERTIFICATE OF CORRECTION  
SH - CERTIFICATE OF CORRECTION

LEXIS/NEXIS SEARCH RESULTS FOR US PATENT 5,785,021  
January 29, 2001

LEVEL 1 - 1 OF 1 PATENT

<5,785,021>

Jul. 28, 1998

Hydraulically actuated electronic fuel injection system

REISSUE: Reissue Application filed Jul. 28, 2000 (O.G. Sep. 12, 2000) Ex. Gp.:  
3747; Re. S.N. 09/628,944

CORE TERMS: chamber, valve, fuel, port, poppet, inlet, non-return, channel,  
injection, slot...

>>>

5785021 OR 5,785,021

Your search request has found no [LAW] CASES.

Your search request has found no [LAW JOURNAL] ITEMS.

Your search request has found no [CURRENT NEWS] STORIES.